

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#51A
KCooper
10-22-77

In re the application of:

Jürgen Schulz-Harder

Group Art Unit:

Serial No : **Not yet awarded**

Examiner:

Filed :

For : **A COOLER FOR ELECTRICAL
COMPONENTS**

PRELIMINARY AMENDMENT

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Please amend the above-identified application as follows:

In the Specification:

Please delete the current Specification and insert the enclosed "Substitute Specification".

In the Claims:

Please delete claims 1-30 and insert the following new claims:

Sub. B1
--31. A cooler, in ^(1,1a) [the form] of a heat pipe, having a housing in which an interior space closed to ⁽²⁾ (the outside) is formed to hold a liquid, vaporizable coolant or heat-transport medium, with at least one first cooling or vaporization ⁽²⁾ area formed in the housing interior for accommodating a heat output and a second condensation area which is formed in the housing and is spatially distant for dissipating heat, the housing comprising: a plurality of plates ⁽¹³⁾ which are superficially joined to one another and which are provided with a plurality of ^(14,1/2) openings for forming channels which are interconnected and which join the first area and the second area; and at least two metal